

Docket No. 262338US0PCT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Joerg ISSBERNER, et al.

SERIAL NO: 10/517,614

GAU: 1713

FILED: August 5, 2005

EXAMINER: MICHAEL BERNSHTEYN

FOR: COPOLYMERS FOR AVOIDING DEPOSITS IN WATER SUPPLY SYSTEMS, PRODUCTION AND USE THEREOF

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the German Search Report and the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND  
MAIER & NEUSTART, P.C.  
Norman F. Oblon

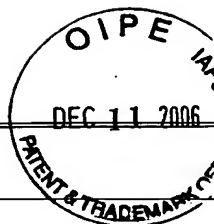
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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
262338US0PCTSERIAL NO.  
10/517,614

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Joerg ISSBERNER, et al.

FILING DATE

August 5, 2005

GROUP

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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE     | NAME               | CLASS | SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|--------------------|----------|--------------------|-------|--------------|-------------------------------|
|                     | AA | US 3,226,973       | 01/04/66 | E. C. EVANS ET AL. |       |              |                               |
|                     | AB |                    |          |                    |       |              |                               |
|                     | AC |                    |          |                    |       |              |                               |
|                     | AD |                    |          |                    |       |              |                               |
|                     | AE |                    |          |                    |       |              |                               |
|                     | AF |                    |          |                    |       |              |                               |
|                     | AG |                    |          |                    |       |              |                               |
|                     | AH |                    |          |                    |       |              |                               |
|                     | AI |                    |          |                    |       |              |                               |
|                     | AJ |                    |          |                    |       |              |                               |
|                     | AK |                    |          |                    |       |              |                               |
|                     | AL |                    |          |                    |       |              |                               |
|                     | AM |                    |          |                    |       |              |                               |
|                     | AN |                    |          |                    |       |              |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY                       | TRANSLATION |    |
|--|----|--------------------|----------|-------------------------------|-------------|----|
|  |    |                    |          |                               | YES         | NO |
|  | AO | 03250079 A         | 11/07/91 | Japan (English Abstract only) |             |    |
|  | AP | 11240919 A         | 09/07/99 | Japan (English Abstract only) |             |    |
|  | AQ | 10330315 A         | 12/15/98 | Japan (English Abstract only) |             |    |
|  | AR | WO 97/39078        | 10/23/97 | WIPO                          |             |    |
|  | AS | 242 815 A1         | 02/11/87 | East Germany                  |             | xx |
|  | AT | 1 948 198          | 04/01/71 | Germany                       |             | xx |
|  | AU | DE 35 36 931 A1    | 04/23/87 | Germany                       |             | xx |
|  | AV | DE 43 28 817 A1    | 03/02/95 | Germany                       |             | xx |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |   |  |  |  |  |
|--|----|---|--|--|--|--|
|  | AW | Excerpt from "Chem. Zentralbl./ 1965 Issue-48 |  |  |  |  |
|  | AX |   |  |  |  |  |
|  | AY |   |  |  |  |  |
|  | AZ |   |  |  |  | <input type="checkbox"/> Additional References sheet(s) attached |

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
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|                     | AA |                    |      |      |       |              |                               |
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|                     | AD |                    |      |      |       |              |                               |
|                     | AE |                    |      |      |       |              |                               |
|                     | AF |                    |      |      |       |              |                               |
|                     | AG |                    |      |      |       |              |                               |
|                     | AH |                    |      |      |       |              |                               |
|                     | AI |                    |      |      |       |              |                               |
|                     | AJ |                    |      |      |       |              |                               |
|                     | AK |                    |      |      |       |              |                               |
|                     | AL |                    |      |      |       |              |                               |
|                     | AM |                    |      |      |       |              |                               |
|                     | AN |                    |      |      |       |              |                               |

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|  |    | DOCUMENT<br>NUMBER | DATE     | COUNTRY | TRANSLATION |    |
|--|----|--------------------|----------|---------|-------------|----|
|  |    |                    |          |         | YES         | NO |
|  | AO | DE 43 32 806 A1    | 03/30/95 | Germany |             | xx |
|  | AP | DE 44 11 556 A1    | 10/05/95 | Germany |             | xx |
|  | AQ | DE 195 46 136 A1   | 06/12/97 | Germany |             | xx |
|  | AR | 0 240 253 B1       | 10/07/87 | Europe  |             |    |
|  | AS | 0 530 300 B1       | 03/10/93 | Europe  |             |    |
|  | AT | EP 0 767 145 A1    | 04/09/97 | Europe  |             |    |
|  | AU |                    |          |         |             |    |
|  | AV |                    |          |         |             |    |

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | AW |  |
|  | AX |  |
|  | AY |  |
|  | AZ |  |

☐ Additional References sheet(s) attached

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Date Considered

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*Pm*

1098 Copolymerisation von Terpenen mit Methacrylsäuremethylester. A. M. Roshkow. (Nachr. sibir. Abt. Akad. Wiss. UdSSR 1963, Nr. 11, Ser. chem. Wiss. Nr. 3, 103-07; Nowosibirsk, Chem.-met. Inst. der Sibir. Abt. der Akad. der Wiss. der UdSSR; russ.) — *Methylmethacrylat* (I) wird unter Verw. von Azodiisobutyronitril als Initiator mit *Dipenten* (II), *Δ<sup>8</sup>-Caren* (III) u. *α-Pinen* (IV) im Block copolymerisiert. Die Copolymerisationskonst. sind für das Syst. I-II:  $r_1 = 2,35$ ,  $r_2 = 0,30$ , für das Syst. I-III: 358 u. 0,22, für das Syst. I-IV: 6,60 u. 0,07. Bei Erhöhung des Verhältnisses Terpen:I nimmt das Molgew. der Copolymeren ab, höhere Terpenkonz. hammen die Rk. u. ergeben geringere Ausbeuten an Copolymeren. Die Menge der Terpenfragmente im Copolymerenmol. beeinflusst die Löslichkeit des Copolymeren nicht. R. K. Müller 40100

*M. P. K. G. H.*

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